



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of:

November 9, 2005

DONALD J. LEWIS, JOHN D. RUSSELL and JOHN O. MICHELINI

Serial No. : 10/805,657 Group Art Unit: 3747  
Filed : March 19, 2004 Examiner: Erick Solis  
For : IMPROVED MULTI-STROKE CYLINDER OPERATION IN AN  
INTERNAL COMBUSTION ENGINE

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.56, 1.97, 1.98**

Sir:

In compliance with the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97, and 1.98, the following patents, publications, applications, and/or other information are being submitted and disclosed to the Office, including those listed on the enclosed Form PTO-1449, for consideration by the Examiner.

Applicants respectfully request that the disclosed information be made of record and expressly considered by the Examiner during examination of the pending application. Further, Applicants respectfully request that the disclosed items be listed on the face of any patent issuing from the pending application in the "references cited" column.

In accordance with 37 C.F.R. § 1.97 (g), the present information disclosure statement is not a representation that a search has been made.

In accordance with 37 C.F.R. § 1.97 (h), the present information disclosure statement is not an admission that the information cited in the statement is, or is considered to be, material to patentability.

In accordance with MPEP § 609, Applicants respectfully request that if the present application is a continuing application, all information considered by the Office in the parent application be considered in the present application, although it need not be listed on the face of the patent unless resubmitted in this or another information disclosure statement filed in this application.

Finally, the present information disclosure statement is not an admission that the information cited in the statement is, or is considered to be, prior art.

11/15/2005 JBALINAN 00000034 061510 10805657

01 FC:1806 180.00 DA

**BASIS FOR CONSIDERATION BY THE OFFICE UNDER 37 C.F.R. § 1.97**

☒ **37 C.F.R. § 1.97(c)**

The present information disclosure statement is being filed, to the best of Applicants' knowledge and belief, before the mailing of any of: a final action under 37 C.F.R. § 1.113, a notice of allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution in the application.

☐ Applicants certify that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

☐ Applicants certify that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 1.56(c) more than three months prior to the filing of the information disclosure statement.

OR

☐ A check in the amount of \_\_\_\_\_ is enclosed.

☒ Please charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account 06-1510

**CONTENT OF INFORMATION DISCLOSURE STATEMENT 37 C.F.R. § 1.98**

The present information disclosure statement includes any information noted above, along with a Form PTO/SB/08A (6 pages).

If applicable, a legible copy of the following is being included:

- (1) Each foreign patent or published foreign patent application, along with an English language abstract for all non-English foreign patent documents (identified by country or patent office, an appropriate document number, and the publication date).
- (2) Each publication (identified by published, author (if any), title, relevant pages of the publication, date, and place of publication).

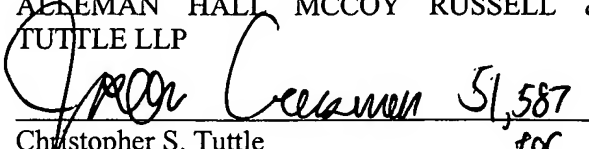
If there are any questions regarding this submission, please contact the undersigned.

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being sent via first class mail addressed to Mail Stop AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on November 9, 2005.

  
Lauren Barberena

Respectfully submitted,  
ALLEMAN HALL MCCOY RUSSELL &  
TUTTLE LLP

 51,587  
for  
Christopher S. Tuttle  
Registration No. 41,357

Customer No. 36865

Attorney for Applicant  
806 SW Broadway, Suite 600  
Portland, Oregon 97205

Telephone: (503) 459-4141

Facsimile: (503) 459-4142



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                 |
|------------------------|-----------------|
| Application Number     | 10/805,657      |
| Filing Date            | March 19, 2004  |
| First Named Inventor   | Donald J. Lewis |
| Art Unit               | 3747            |
| Examiner Name          | Erick Solis     |
| Attorney Docket Number | 81100264        |

Sheet 1 of 6

**U. S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|-----------------------------------|--|---|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                   |  |   |
|                       |                          | US- 3,828,247                            | 08-06-1974                        | Kirsch et al                                       |   |
|                       |                          | US- 3,865,088                            | 02-11-1975                        | Links  |   |
|                       |                          | US- 4,009,695                            | 03-01-1977                        | Ule  |   |
|                       |                          | US- 4,732,117                            | 03-22-1988                        | Tanahashi et al                                    |   |
|                       |                          | US- 4,848,284                            | 07-18-1989                        | Konno  |   |
|                       |                          | US- 4,976,228                            | 12-11-1990                        | Kawamura   |   |
|                       |                          | US- 4,990,854                            | 02-05-1991                        | Friz   |   |
|                       |                          | US- 5,072,700                            | 12-17-1991                        | Kawamura   |   |
|                       |                          | US- 5,117,790                            | 06-02-1992                        | Clarke et al                                       |   |
|                       |                          | US- 5,123,397                            | 06-23-1992                        | Richeson   |   |
|                       |                          | US- 5,129,369                            | 07-14-1992                        | Kawamura   |   |
|                       |                          | US- 5,190,013                            | 03-02-1993                        | Dozier   |   |
|                       |                          | US- 5,201,296                            | 04-13-1993                        | Wunning et al                                      |   |
|                       |                          | US- 5,216,987                            | 06-08-1993                        | Clarke   |   |
|                       |                          | US- 5,284,116                            | 02-08-1994                        | Richeson, Jr.                                      |   |
|                       |                          | US- 5,408,958                            | 04-25-1995                        | Esch et al   |   |
|                       |                          | US- 5,442,515                            | 08-15-1995                        | Wallaert   |   |
|                       |                          | US- 5,617,829                            | 04-08-1997                        | Bidner et al                                       |   |
|                       |                          | US- 5,636,601                            | 06-10-1997                        | Moriya et al                                       |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
|                       |                          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                 |
|------------------------|-----------------|
| Application Number     | 10/805,657      |
| Filing Date            | March 19, 2004  |
| First Named Inventor   | Donald J. Lewis |
| Art-Unit               | 3747            |
| Examiner Name          | Erick Solis     |
| Attorney Docket Number | 81100264        |

Sheet 2 of 6

**U. S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|-----------------------------------|--|---|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                   |  |   |
|                       |                          | US- 5,673,676                            | 10-07-1997                        | Mukumoto   |   |
|                       |                          | US- 5,930,992                            | 08-03-1999                        | Esch et al   |   |
|                       |                          | US- 5,934,231                            | 08-10-1999                        | Schmitz et al                                      |   |
|                       |                          | US- 5,947,095                            | 09-07-1999                        | Kato   |   |
|                       |                          | US- 5,957,095                            | 09-28-1999                        | Kako   |   |
|                       |                          | US- 5,992,153                            | 11-30-1999                        | Tsuchihashi et al                                  |   |
|                       |                          | US- 6,050,231                            | 04-18-2000                        | Tisch et al  |   |
|                       |                          | US- 6,062,186                            | 05-16-2000                        | Barnes et al                                       |   |
|                       |                          | US- 6,109,225                            | 08-29-2000                        | Ogita et al  |   |
|                       |                          | US- 6,178,934                            | 01-30-2001                        | Hirasawa et al                                     |   |
|                       |                          | US- 6,192,857                            | 02-27-2001                        | Shimada  |   |
|                       |                          | US- 6,202,608                            | 03-20-2001                        | Yamaki et al                                       |   |
|                       |                          | US- 6,216,652                            | 04-17-2001                        | Gramann et al                                      |   |
|                       |                          | US- 6,247,449                            | 06-19-2001                        | Persson  |   |
|                       |                          | US- 6,330,870                            | 12-18-2001                        | Inoue et al  |   |
|                       |                          | US- 6,332,445                            | 12-25-2001                        | Voss et al   |   |
|                       |                          | US- 6,333,843                            | 12-25-2001                        | Boie et al   |   |
|                       |                          | US- 6,336,436                            | 01-08-2002                        | Miyakubo et al                                     |   |
|                       |                          | US- 6,363,907                            | 04-02-2002                        | Arai et al   |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
|                       |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                 |
|------------------------|-----------------|
| Application Number     | 10/805,657      |
| Filing Date            | March 19, 2004  |
| First Named Inventor   | Donald J. Lewis |
| Art Unit               | 3747            |
| Examiner Name          | Erick Solis     |
| Attorney Docket Number | 81100264        |

Sheet 3 of 6

**U. S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       |                          | US- 6,367,437                            | 04-09-2002                     | Nakamura et al                                     |   |
|                       |                          | US- 6,374,783                            | 04-23-2002                     | Toriumi  |   |
|                       |                          | US- 6,382,193                            | 05-07-2002                     | Boyer et al  |   |
|                       |                          | US- 6,389,806                            | 05-21-2002                     | Glugla et al                                       |   |
|                       |                          | US- 6,390,038                            | 05-21-2002                     | Di Lieto et al                                     |   |
|                       |                          | US- 6,397,813                            | 06-04-2002                     | Han et al  |   |
|                       |                          | US- 6,401,684                            | 06-11-2002                     | Hori et al   |   |
|                       |                          | US- 6,415,601                            | 07-09-2002                     | Glugla et al                                       |   |
|                       |                          | US- 6,422,185                            | 07-23-2002                     | Duesmann et al                                     |   |
|                       |                          | US- 6,460,500                            | 10-08-2002                     | Ooyama et al                                       |   |
|                       |                          | US- 6,505,113                            | 01-07-2003                     | Eichenseher et al                                  |   |
|                       |                          | US- 6,523,504                            | 02-25-2003                     | Miura  |   |
|                       |                          | US- 6,526,745                            | 03-04-2003                     | Ogiso  |   |
|                       |                          | US- 6,546,910                            | 04-15-2003                     | Tanaka et al                                       |   |
|                       |                          | US- 6,550,240                            | 04-22-2003                     | Kolmanovsky et al                                  |   |
|                       |                          | US- 6,553,961                            | 04-29-2003                     | Hammoud et al                                      |   |
|                       |                          | US- 6,595,183                            | 07-22-2003                     | Olofsson   |   |
|                       |                          | US- 6,619,245                            | 09-16-2003                     | Fujiwara et al                                     |   |
|                       |                          | US- 6,637,386                            | 10-28-2003                     | Murata et al                                       |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
|                       |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                 |
|------------------------|-----------------|
| Application Number     | 10/805,657      |
| Filing Date            | March 19, 2004  |
| First Named Inventor   | Donald J. Lewis |
| Art Unit               | 3747            |
| Examiner Name          | Erick Solis     |
| Attorney Docket Number | 81100264        |

Sheet 4 of 6

**U. S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       |                          | US- 6,647,947                            | 11-18-2003                     | Boyer et al  |   |
|                       |                          | US- 6,681,173                            | 01-20-2004                     | Turner et al                                       |   |
|                       |                          | US- 6,701,887                            | 03-09-2004                     | Salber et al                                       |   |
|                       |                          | US- 6,718,928                            | 04-13-2004                     | Brueggen et al                                     |   |
|                       |                          | US- 6,736,121                            | 05-18-2004                     | Surnilla   |   |
|                       |                          | US- 6,763,707                            | 07-20-2004                     | Kumagai et al                                      |   |
|                       |                          | US- 6,766,641                            | 07-27-2004                     | Surnilla et al                                     |   |
|                       |                          | US- 6,772,723                            | 08-10-2004                     | Aoki et al   |   |
|                       |                          | US- 6,785,603                            | 08-31-2004                     | Inoue  |   |
|                       |                          | US- 6,799,421                            | 10-05-2004                     | Surnilla   |   |
|                       |                          | US- 6,883,319                            | 04-26-2005                     | Ekenberg   |   |
|                       |                          | US- 6,898,927                            | 05-31-2005                     | Morinaga et al                                     |   |
|                       |                          | US- 6,912,995                            | 07-05-2005                     | Miura  |   |
|                       |                          | US- 6,938,598                            | 09-06-2005                     | Lewis et al  |   |
|                       |                          | US- 2001/0023667                         | 09-27-2001                     | Miura  |   |
|                       |                          | US- 2002/0038541                         | 04-04-2002                     | Surnilla et al                                     |   |
|                       |                          | US- 2002/0157630                         | 10-31-2002                     | Gerhard et al                                      |   |
|                       |                          | US- 2003/0051465                         | 03-20-2003                     | Kolmanovsky et al                                  |   |
|                       |                          | US- 2003/0070423                         | 04-17-2003                     | Morinaga et al                                     |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----------------|
|                       |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |
|                       |                          |   |                                   |  |   |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

|       |   |    |   |
|-------|---|----|---|
| Sheet | 5 | of | 6 |
|-------|---|----|---|

**Complete if Known**

|                        |                 |
|------------------------|-----------------|
| Application Number     | 10/805,657      |
| Filing Date            | March 19, 2004  |
| First Named Inventor   | Donald J. Lewis |
| Art Unit               | 3747            |
| Examiner Name          | Erick Solis     |
| Attorney Docket Number | 81100264        |

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

|            |  |
|------------|--|
| Date       |  |
| Considered |  |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |   |                          |                 |                        |          |
|--|---|--------------------------|-----------------|------------------------|----------|
| Substitute for form 1449/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(Use as many sheets as necessary)</i> |   | <b>Complete if Known</b> |                 |                        |          |
|  |   | Application Number       | 10/805,657      |                        |          |
|  |   | Filing Date              | March 19, 2004  |                        |          |
|  |   | First Named Inventor     | Donald J. Lewis |                        |          |
|  |   | Art Unit                 | 3747            |                        |          |
|  |   | Examiner Name            | Erick Solis     |                        |          |
| Sheet  | 6 | of                       | 6               | Attorney Docket Number | 81100264 |

| NON PATENT LITERATURE DOCUMENTS |                          |   |                |
|---------------------------------|--------------------------|---|----------------|
| Examiner<br>Initials*           | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|                                 |                          | KLUTING, FLIERL, GRUDNO and LUTTERMANN; MTZ Magazine, August 1999, "Drosselfreie Laststeuerung miy vollvariablen Ventiltrieben"   | ✓              |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.